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PCT10

RAW SEQUENCE LISTING DATE: 08/06/2002 PATENT APPLICATION: US/10/069,056 TIME: 14:45:00

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3 <110> APPLICANT: Nuesch, Jurg

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Rommelaere, Jean
 6 <120> TITLE OF INVENTION: Parvovirus NS 1 Variants
 8 <130> FILE REFERENCE: 4121-136
10 <140> CURRENT APPLICATION NUMBER: 10/069,056
11 <141> CURRENT FILING DATE: 2002-02-11
13 <150> PRIOR APPLICATION NUMBER: PCT/EP00/07835
14 <151> PRIOR FILING DATE: 2000-08-11
16 <150> PRIOR APPLICATION NUMBER: EP 99 115 161.4
17 <151> PRIOR FILING DATE: 1999-08-13
19 <160> NUMBER OF SEQ ID NOS: 18
21 <170> SOFTWARE: PatentIn version 3.1
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114	T	a1	35	01 .	01 .		~ 1	40	_	_	_		45	~ .			
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118	mhm	50	П	3	a 1	a	55	3	16-4	a 1	m	60	m1	m1	**- 1	•	
122		1111	ттр	ASP	GIII	70	GIU	Asp	мес	GIU	_	GIU	THE	THE	v _. aı	-	
		Mo+	пbх	Tva	T 170		Wa I	Phe	T10	Dho	75	Com	т о	1701	T	80	
126	GIU	Met	1 111	nys	85	GIII	Val	Pile	116	90	АБР	ser	ьец	Val	ьуs 95	пЛг	
	Cve	T.211	Dho	Glu	-	T.011	Δen	Thr	Luc		Tla	Dho	Dro	Clu		Val	
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	Asn	Trp	Phe		Gln	His	Glu	Trp		Lvs	Asp	Gln	Glv		His	Cvs	
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158		210	_	_,	_		215		_			220					
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166	гуу	GTU	стА	GIU		HIS	ьeu	Val	ser		ьeu	Tyr	Thr	Asp		мет	
	λνα	Dro	C1.,	πh∽	245	C1	mh~	mh∽	v-1	250	mk	7 J ~	C1 =	C1	255	T	
170	nr y	110	GIU	260	val	GIU	TIIL	Thr	265	T 11T.	THI	ATG	GTII	270	TIII	гуз	
	Ara	Glv	Arσ		Gln	Thr	Lve	Lys		Val	Ser	Tle	T.vc		ጥኮዮ	T.eu	
174		1	275				-10	280			201	440	285	* ***	****	~Cu	



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DATE: 08/06/2002 TIME: 14:45:00

Input Set . A.\ Sequence Listing tat

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193 Leu Thr Asn Phe Ser Leu Pro Asp Thr Arg Thr Cys Arg Ile Phe Ala Ala 194 Ala 375 375 375 375 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380 380	189	Thr	Lys	Thr			Asp	Leu	Ile			Lys	Ala	Glu			Lys
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202 385		_		_		~ 3			_	_		7		_,	•		_
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222 465		- 1							-1-			- 4 -		1			
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238 530		λen	Glu		Dro	Mot	Tlo	Cvc		Trn	Lou	Val	Lvc		C117	Фътъ	Cln
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266 645 650 655 269 Gly Ala Glu Pro Leu Lys Lys Asp Phe Ser Glu Pro Leu Asn Leu Asp 270 666 665 665			a	5	 1			a 1		a 1			_	_		_	
269 Gly Ala Glu Pro Leu Lys Lys Asp Phe Ser Glu Pro Leu Asn Leu Asp 270 660 665 670		ьeu	ser	Pro	rnr		ser	GLU	тте	GIU		Asp	Leu	Arg	ата		ьиe
270 660 665 670		G1++	λΊο	C1.,	Dro	-	T ***	T	7 ~~	nha		c1	Dro	T 6.11	λ a =		λ c.~
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		Ala	GLY	Asn	Ala	Tyr	Ser	Asp	Glu		Leu	GLY	Ala	Thr		Trp
380				_	5	_				10	_		•		15	_
	Leu	Lys	GIu		Ser	Asn	GIn	Glu		Phe	Ser	Phe	Val		Lys	Asn
384				20					25					30		
	Glu	Asn		Gln	Leu	Asn	GLy		Asp	Ile	Gly	Trp		Ser	Tyr	Lys
388			35					40					45			
	Lys		Leu	Gln	Glu	Asp		Leu	Lys	Ser	Leu		Arg	Gly	Ala	Glu
392		50					55					60				
		Thr	Trp	Asp	Gln		Glu	Asp	Met	Glu		Glu	Thr	Thr	Val	
396						70					75					80
	Glu	Met	Thr	Lys	Lys	Gln	Val	Phe	Ile		Asp	Ser	Leu	Val	_	Lys
400					85					90		-			95	
	Cys	Leu	Phe		Val	Leu	Asn	Thr	_	Asn	Ile	Phe	Pro	Gly	Asp	Val
404				100					105					110		
	Asn	Trp		Val	Gln	His	Glu	${\tt Trp}$	Gly	Lys	Asp	Gln	Gly	${\tt Trp}$	His	Cys
408			115					120					125			
	His		Leu	Ile	Gly	Gly		Asp	Phe	Ser	Gln		Gln	Gly	Lys	Trp
412		130					135					140				
		Arg	Arg	Gln	Leu		Val	Tyr	Trp	Ser	_	Trp	Leu	Val	Thr	
	145					150					155					160
	Cys	Asn	Val	Gln	Leu	Thr	Pro	Ala	Glu		Ile	Lys	Leu	Arg		Ile
420	_	_			165		_	_		170	_				175	_
	Ala	Glu	Asp		Glu	Trp	Val	Thr		Leu	Thr	Tyr	Lys		Lys	Gln
424				180					185					190	_	_
	Thr	Lys	_	Asp	\mathtt{Tyr}	Thr	Lys	_	Val	Leu	Phe	Gly		Met	Ile	Ala
428			195				_	200	_	_	_		205			
	Tyr		Phe	Leu	Thr	Lys		Lys	Ile	Ser	Thr		Pro	Pro	Arg	Asp
432	_	210					215			_		220	_		_	
		Gly	\mathtt{Tyr}	Phe	Leu		Ser	Asp	Ser	Gly		Lys	Thr	Asn	Phe	
436						230					235					240
	Lys	Glu	Gly	Glu	Arg	His	Leu	Val	Ser		Leu	\mathtt{Tyr}	Thr	Asp		Met
440					245					250					255	
	Arg	Pro	Glu		Val	Glu	Thr	Thr		Thr	Thr	Ala	Gln		Thr	Lys
444				260					265					270		
	Arg	Gly	_	Ile	Gln	Thr	Lys		Glu	Val	Ala	Ile	_	Thr	Thr	Leu
448			275					280					285			
	Lys		Leu	Val	His	Lys	_	Val	Thr	Ser	Pro		Asp	\mathtt{Trp}	Met	Met
452		290					295					300		_		
		Gln	Pro	Asp	Ser	_	Ile	Glu	Met	Met		Gln	Pro	Gly	Gly	
456	305					310					315					320



VERIFICATION SUMMARY

PATENT APPLICATION: US/10/069,056

DATE: 08/06/2002

TIME: 14:45:01

Input Set: A:\Sequence Listing.txt
Output Set: N:\CRF3\08062002\J069056.raw